



AFRL SBIR Program

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What Is SBIR?

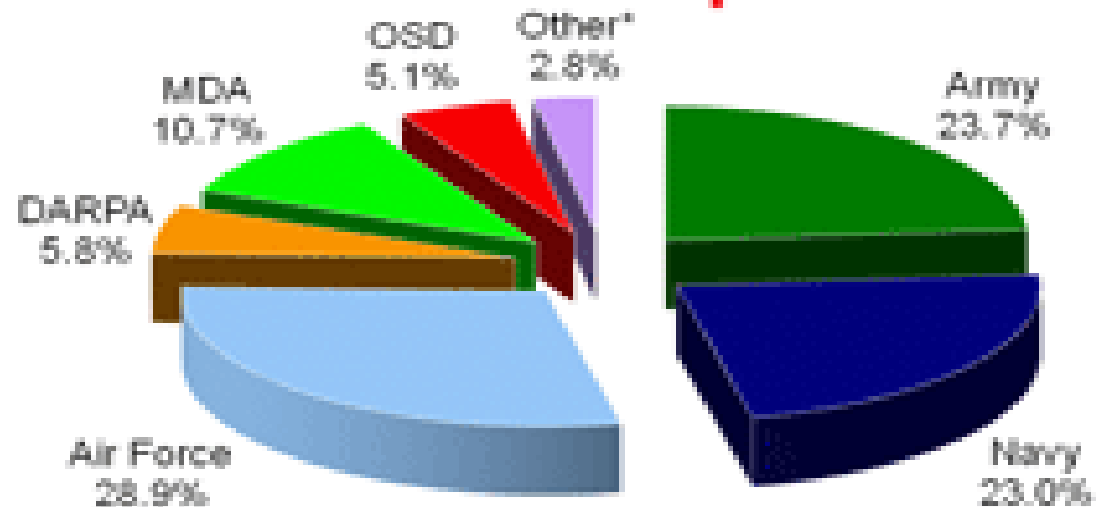
- **Small Business Innovation Research (SBIR)**
 - Established by Congress in 1982
 - Purpose – to harness innovative talents of our nation’s small technology companies for U.S. military and economic strength
- **SBIR funds early stage R&D at small technology companies**
 - Stimulate technological innovation by small business
 - Increase small business participation in meeting federal research and development needs
 - Increase the private commercialization of technology developed through SBIR R&D
 - Participation of socially and economically disadvantaged small businesses and woman-owned small businesses



What Is SBIR?

- **DoD FY09 SBIR budget approximately \$382BM** AF budget \$382M
- 12 participating components
 - AF, Army, Navy, MDA, DARPA, OSD, DTRA, NGA, DLA, DMEA, CBD, SOCOM

DoD SBIR Components



Other includes: DTRA, SOCOM, CBD, NGA, DLA, DMEA



What Is SBIR?

	Description	SBIR \$ Threshold	Contract Period of Performance
Phase I	Determine the scientific, technical and commercial merit or feasibility of an idea or technology	\$100K*	12 months
Phase II	The principal R&D effort; expected to produce a well-defined, deliverable prototype	\$750K*	27 months
Phase II Enhancement	Address unforeseen technological barriers that would prevent a Phase II project from meeting its stated objective.	\$500K* Requires matching government non-SBIR funding	Extends contract up to 12 months
Phase III	Develop a prototype into a product for sale in military and/or private sector markets	No SBIR funds	



Why SBIR?

- Each SBIR topic equals \$1M - \$2M in additional research
 - 3 Phase I awards
 - 1 or more Phase II awards
 - Enhancements
 - SBIR Technology Transition Plan (STTP)
 - Commercialization Pilot Program (CPP)
 - Phase III
- **LEVERAGE MISSION FUNDS**



of Topics

AAC – Air Armament Center, Eglin AFB

- SBIR technology needs
 - Small weapon, moving targets kill
 - Low collateral damage
 - High speed weapons
 - High energy laser weapons
 - High power microwave weapons
- POCs
 - James Schoeneman*
 - Gavin Tovrea
 - Marsha Palmer



of Topics

ASC –Aeronautical Systems Center, Dayton OH

- SBIR technology needs
 - Advanced sensor suite (EO/IR) to locate, identify targets of opportunity
 - Enhanced situational awareness
- POCs
 - Chris Klahn*
 - Darryl Stimson
 - Rachel Doster



of Topics

SMC – Space and Missile Systems Center – Los Angeles AFB

- SBIR technology needs
 - Directed energy topics
 - Traveling wave tube amplifier
- POCs
 - Karim Chaudhry*
 - Mike Bowker



of Topics

ESC – Electronic Systems Center, Hanscom AFB

- SBIR technology needs
 - Technologies supporting predictive battlespace awareness: combat ID
- POCs
 - Phil Petitt*
 - Joe Minior
 - Jeff Park



FY10 Draft Topics

Posted on the Air Force Shopping Mall



Phase I – Pre-Solicitation

- Pre-Solicitation: late 27 July – late August
- Topic author is the single point of contact with small business
 - Author's name and contact information are listed
 - Clarifying questions may be asked
 - Authors should respond in a timely manner



Phase III

- Phase III is a principal objective of the SBIR program and a means for the DoD to realize value from SBIRs
- Phase III is any work that derives from, extends or logically concludes efforts performed under prior SBIR funding
 - Oriented toward commercialization
 - Successful Phase I or II innovations move into continued development, maturation and eventually into the marketplace
- Characteristics/requirements of Phase IIIs
 - Funded by non-SBIR funds
 - SBIR technical data rights extend to Phase III
 - Phase III contracts awarded without further competition
 - DoD must show preference for SBIR-funded technologies in Phase III
 - No limit on number, duration, type or dollar value of Phase III award
 - No limit on time elapsed between Phase I or II and the Phase III award
 - Small business size limits do not apply
 - Phase III contracts must be reported



AF SBIR Websites

<http://www.sbirsttrmall.com/Portal.aspx>

The shopping mall provides a means for disseminating information about current events, program terminology and procedures, and organizational points of contact.

<https://afsbirsttr.net/tsm>

The link to the Air Force Topic Submission Module, it is a source of Air Force topic ideas and formal topics. Ideas can be submitted either 1) by the technical directorates for product centers' consideration or 2) by the product centers for technical directorates' consideration.



AF SBIR

QUESTIONS: